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FEDERAL-STATE-PRIVATE
COOPERATIVE SNOW SURVEYS

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WATER SUPPLY OUTLOOK FOR UTAH

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS

In cooperation with U.S. Forest Service, Bureau of Reclamation,
Utah Fish and Game Dept., Utah State University, U.S. National
Park Service, U.S. Geological Survey, and other Federal, State,
and private organizations.

AS OF
MAY 1, 1971

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR UTAH

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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STATE ENGINEER
DIVISION OF WATER RIGHTS
UTAH STATE DEPT. OF NATURAL RESOURCES

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PROSPECTIVE WATER SUPPLIES

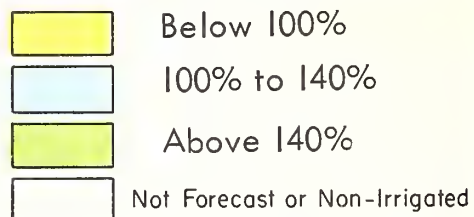
Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

MAY 1, 1971

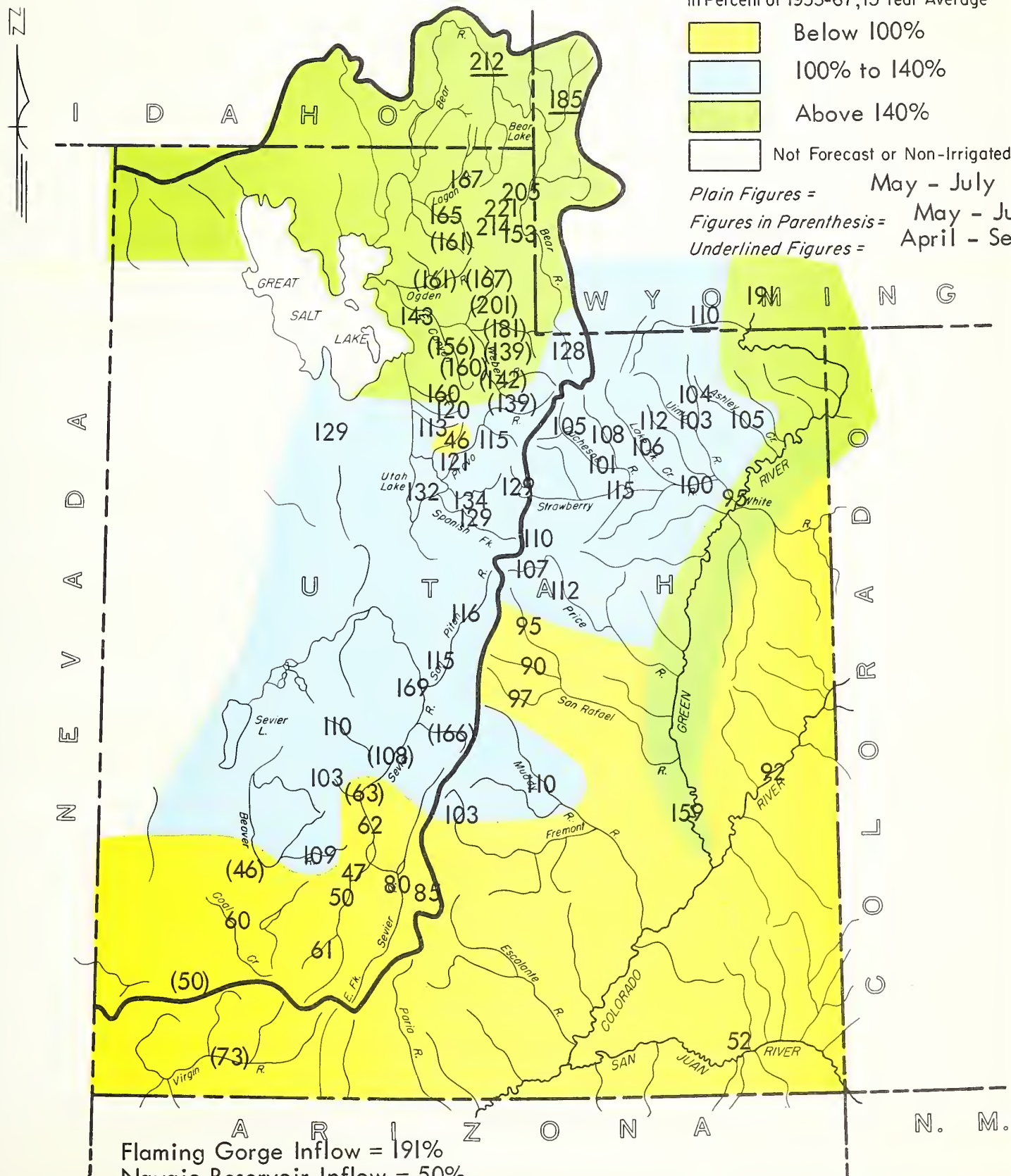
Approximate Date



FORECAST STREAM FLOW
in Percent of 1953-67, 15 Year Average



Plain Figures = May - July
Figures in Parenthesis = May - June
Underlined Figures = April - Sept.



Flaming Gorge Inflow = 191%
Navajo Reservoir Inflow = 50%
Lake Powell Inflow = 119%



WATER SUPPLY OUTLOOK

as of

MAY 6, 1971

* Utah's 1971 Water Supply Outlook ranges from "excellent" on *
* the Bear River to "poor" on the Upper Sevier, Virgin and Coal *
* Creeks in southern Utah. Snow cover varies from 0 to 50% in *
* the southern area to nearly 200% of the May 1 average on the *
* lower Bear River. Storage in 14 key reservoirs is now 139% *
* of the May 1 average for the 1953-67 period. Streamflow fore- *
* casts for the May-July period range from 47% for the Sevier *
* at Kingston to 221% on Big Creek near Randolph. *

NORTHERN UTAH

Bear River

The Water Supply Outlook for Bear River remains excellent. May 1 snow cover ranges from 109% of average south of Evanston to 195% on the Thomas Fork in Wyoming. Logan River snow cover is 179% of average and Blacksmith Fork 163%. Many higher elevation snow courses still had more water content on May 1 than any of the last 20 years.

Bear Lake May 1 storage was 1,202,000 acre feet (126%), Woodruff Narrows was still full at 26,500 acre feet, Hyrum had 11,900 acre feet and Porcupine 11,300 acre feet.

Streamflow forecasts for the May-July period range from 128% of average (128,000 a.f.) for the Bear at Utah Wyoming Line to 221% of average (8,400 acre feet) for Big Creek. Woodruff Creek is forecast to yield 24,000 acre feet (214%) during the May-July period. The Bear near Randolph is expected to flow 115,000 acre feet (205%) and the Bear at Harer, Idaho is expected to produce 330,000 acre feet (212%) after picking up 200,000 acre feet (185%) from the Smith's Fork. The Logan River is expected to yield 144,000 acre feet (167%) and the Blacksmith Fork 50,000 acre feet (165% May-July) and the Little Bear 30,000 acre feet (161%) for the May-June period. Some flooding has already occurred on Blacksmith Fork and more is expected on Big Creek, Woodruff Creek and Logan River as the runoff from heavy snow pack hits its peak this year.

WEBER-OGDEN RIVERS

The Water Supply Outlook for the Weber and Ogden Rivers is "good to excellent". Snow cover on the Ogden is 141% of the May 1 average, the Weber had 116% of average above Echo, and East Canyon snow cover was 108% of the May 1 average for the 1953-67 period.

Reservoirs have been holding space for peak runoff but are now beginning to fill. Pineview held 59,700 acre feet on May 1 and Causey held 1,100 acre feet. East Canyon held 41,900 acre feet, Rockport held 26,300 acre feet, Echo held 61,000 acre feet and Lost Creek held 10,400 acre feet. Willard Bay had 183,800 acre feet of stored water on May 1st.

WATER SUPPLY OUTLOOK (continued)

Streamflow forecasts for the May-June period range from 139% (115,000 acre feet) for the Weber at Oakley to 201% (16,500 acre feet) for Lost Creek. Chalk Creek is forecast to flow 38,000 acre feet (181%) and the Weber near Coalville 117,000 acre feet (139%). Rockport Reservoir Inflow is expected to be 135,000 acre feet. East Canyon is expected to yield 16,900 acre feet (156%) and Hardscrabble Creek 17,000 acre feet (160%). The Inflow to Pineview is expected to be 95,000 acre feet (161%) and the South Fork of the Ogden near Huntsville is forecast to flow 55,000 acre feet (167%) during the May-June period.

PROVO-UTAH LAKE-JORDAN RIVER

The Water Supply Outlook for the Provo-Utah Lake-Jordan River area ranges from "average to above average". Reservoir storage is above average but snow cover was depleted by above average temperatures.

Snow cover in this area ranges from 34% of the May 1 average on Hobbie Creek to 152% on the Oquirrh Mountains above Tooele. American Fork snow cover dropped to 52% of the May 1 average and Spanish Fork is now 84% of average. The Upper Provo is average and the Wasatch Front near Salt Lake about 114% of the May 1 average.

Storage in Deer Creek Reservoir is now 110,900 acre feet compared to 91,200 acre feet last year. Utah Lake reached Compromise level on May 1st at 883,900 acre feet and is expected to reach a peak storage at about 3/10 foot higher than Compromise.

Streamflow forecasts range from 96% of the May July average (23,000 acre feet) on American Fork to 143% (8,000 acre feet) on Farmington Creek. The Provo is forecast to flow 94,000 acre feet (115%) at Hailstone; Spanish Fork is expected to flow 27,000 acre feet (129%), Hobbie Creek 13,500 acre feet (134%) and Utah Lake Inflow is expected to be 178,000 acre feet (132%) during the May-July period.

Strawberry Reservoir Inflow is forecast to be 40,000 acre feet (129%). Big Cottonwood is expected to flow 36,000 acre feet (120%), Little Cottonwood 35,000 acre feet (113%), Parley's Creek 11,500 acre feet (160%). Settlement Canyon Creek near Tooele is expected to produce about 2,200 acre feet or 129% of its May-July average.

EASTERN UTAH

DUCHESNE RIVER - UINTAH BASIN

The Water Supply Outlook remains "good" in Uintah Basin this year. Cold, wet weather during April helped keep the water supply outlook for the Duchesne River and Uintah Basin near average with good carry-over storage at Strawberry and Steinaker Reservoirs.

Streamflow forecasts along the Duchesne ranged from 105% (98,000 a.f.) near Tabiona to 95% (113,000 a.f.) at Randlett. The Strawberry, Rock Creek, Lakefork below Moon Lake and the Yellowstone all increased from 3 to 5% over last months forecast due to good snow cover remaining in the drainage areas. Ashley Creek is forecast at 105% (44,000 a.f.) of its 1953-67 average.

The north slope of the high Uintahs remains above average with 110% for Henry's Fork and excellent snow cover over the entire area above 8,500 feet. Flaming Gorge Inflow is expected to be 191% (2,010,000 a.f.) which should considerably increase the water level of the Reservoir and provide excellent boating and recreation conditions. The April-July streamflow into Flaming Gorge will be twice that of last year. The high Uintah aerial markers showed an excellent increase in snow cover over the entire high mountain area of about 18" to 24" of new snow. The total snow depth varied from 85" at Buck Pasture on the Blacks Fork River to 38" at Atwood Basin on the Uintah River Drainage. It looks like a late, but good season for the high Uintahs.

With above average April precipitation in the Lakefork Basin drainage, Moon Lake Reservoir is forecast at 67,000 acre feet (106%). Starvation Reservoir is filling rapidly, impounding 130,800 acre feet with Strawberry at Duchesne forecast at 46,000 acre feet (115%) of average. Steinaker Reservoir now retains 25,300 a.f. compared to 24,300 acre feet last year at May 1.

PRICE, MUDDY, SAN RAFAEL & FREMONT RIVERS

The May-July Water Supply Outlook for the Price, Muddy, San Rafael and Fremont Rivers remains average with good carry-over storage at Scofield and Joe's Valley Res.

Precipitation for April ranged from 107% at Indian Canyon to 48% for Blue Mountains near Monticello. The Fremont, San Rafael and Price River were 84%, 74%, and 105% respectively. Total Oct-April precipitation to date remains above average - (Fremont River 106%, Muddy 110%, San Rafael 115% Price 101%), except for the Escalante River with only 67% of the 1953-67 long term average.

Scofield Reservoir now impounds 52,700 a.f. with a May-July forecast expected run-off of 29,000 a.f. Joe's Valley Reservoir now holds 42,700 a.f., slightly less than last year (44,900 a.f.) with a forecast of 37,000 a.f. (May-July) yet to come.

Ferron and Huntington Creeks April-July streamflow forecasts are 30,000 a.f. (97%) and 36,000 a.f. (95%) respectively. The Price River ranges from 112% near Heiner to 107% at Scofield - an increase of 10% over last month's forecast due to good April precip. and good snow cover remaining in the watersheds.

Ferron Crk is forecast to produce 30,000 a.f., slightly less than last year of 39,000 a.f. - Huntington which produced 54,000 a.f. last year is forecast to produce only 36,000 a.f. for the May-July forecast period (95% of normal).

The Muddy River looks good with 16,000 a.f. or 110% of normal. Last year the Muddy produced 22,000 a.f. Those with Reservoir storage rights should have an adequate water supply this coming year.

WATER SUPPLY OUTLOOK (continued)

CENTRAL and SOUTHERN UTAH

The Water Supply Outlook for Central and Southern Utah was again dimmed by a dry month, and now ranges from "poor" on the Upper Sevier, Virgin, Escalante Rivers and Coal Creek to "above average" on Salina Creek and the Lower Sevier River. The snow pack melted rapidly during April and now ranges from 47% of the May 1 average on the Escalante River to 128% of average on Salina Creek. Reservoir storage is well above average on the Sevier and Beaver Rivers.

SEVIER RIVER

The water supply outlook on the Sevier River ranges from "poor" above Kingston to "above average" for the lower basin with good reservoir storage. April precipitation was very low, snow cover dropped and now ranges from 51% of average on the Upper Sevier to 128% on Salina Creek.

April precipitation ranged from 18 to 97% of average at higher elevations and warm temperatures melted the snow pack faster than usual. Only the higher and more protected snow courses had significant amounts of snow on May 1st. Snow cover on the East Fork of the Sevier dropped to 56% of the May 1 average for the 1953-67 period.

Key reservoirs on the Sevier, Otter Crk, Piute and Sevier Bridge have 335,200 a.f. or 208% of average May 1 storage. Gunnison Reservoir held 15,700 a.f. on May 1. Streamflow forecasts for the May through July period range from 47% of average (5,000 a.f.) for the South Fork at Kingston to 160% at Gunnison (35,000 a.f.). Salina Crk is expected to produce 8,300 a.f. (166%) during the May-June period. The Sevier at Hatch is forecast to produce 16,500 a.f. (61%) or a little less than last years 19,200 a.f. At Circleville, 10,000 a.f. (50%) is expected during the May-July period. San Pitch streams, Ephraim and Pleasant Creeks are expected to produce 15,200 a.f. (115%) and 7,900 a.f. (116%) respectively. The East Fork of the Sevier is expected to yield 5,100 a.f. (80%) during the May-July period.

BEAVER RIVER

The water supply outlook for Beaver River remains "near average". Snow cover dropped to 90% of the May 1 average as a result of below average April precipitation and warm temperatures. Storage in Minersville Reservoir on May 1 was 18,940 a.f. or 167% of average but less than last year 23,300 a.f. Streamflow forecasts have been reduced to 18,000 a.f. (109%) near Beaver for the May-July period and 2,000 a.f. (46%) for the May-June inflow to Minersville Reservoir.

COAL CREEK, PARAWAN CREEK, VIRGIN & SANTA CLARA RIVERS

The water supply outlook on these streams is "poor". Snow cover is 62% of the May 1 average on Coal and Parawan Creeks and 54% on the Virgin. Snow Courses were bare on the ridge between the Santa Clara and Enterprise Reservoirs.

Streamflow forecasts have been reduced to 6,500 a.f. (60%) on Coal Creek for the May-July period, 16,000 a.f. (73%) on the Virgin and 1,200 a.f. (50%) for the Santa Clara near Pine Valley for the May-June period. Late season water shortages are expected on these streams unless above average precipitation occurs during the runoff season.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
	<u>GREAT BASIN</u>				
<u>Bear River</u>	Bear Lake	1421.0	1202.0	1151.3	951.9
	Woodruff Narrows	26.5	26.5	26.5	- -
<u>Beaver River</u>	Minersville(Rky Fd)	23.3	18.9	23.3	11.3
<u>Little Bear</u>	Hyrum	15.3	11.9	15.3	15.1
	Porcupine	11.3	11.3	8.0	- -
<u>Ogden</u>	Causey	7.1	1.1	2.2	- -
	Pineview	110.1	59.7	64.8	50.9
<u>Provo</u>	Deer Creek	149.7	110.9	91.2	97.0
<u>Sevier River</u>	Gunnison	18.2	15.7	15.6	- -
	Otter Creek	52.5	51.7	54.7	31.4
	Piute	71.8	52.8	62.3	35.0
	Sevier Bridge	236.0	230.8	223.4	94.6
<u>Spanish Fork</u>	Strawberry	270.0	210.2	201.2	132.2
<u>Utah Lake</u>	Utah Lake	883.9	883.9	863.0	620.4
<u>Weber</u>	East Canyon	48.1	41.9	36.7	18.5
	Echo	73.9	61.0	64.4	51.2
	Lost Creek	20.0	10.4	15.0	- -
	Rockport	60.9	26.3	27.7	27.3
	Willard Bay	193.3	183.8	161.1	- -
	<u>COLORADO RIVER DRAINAGE</u>				
<u>Ashley Creek</u>	Steinaker	33.3	25.3	24.3	- -
<u>Colorado</u>	Blue Mesa	829.5	259.1	420.6	- -
	Lake Powell	25002.0	12511.0	9152.0	- -
<u>Green</u>	Flaming Gorge	3749.0	1986.0	1476.4	- -
<u>Lake Fork</u>	Moon Lake	35.8	13.7	10.6	17.5
<u>Price River</u>	Scofield	65.8	52.7	52.7	26.4
<u>San Rafael</u>	Joe's Valley	54.6	42.7	44.9	- -
<u>San Juan</u>	Navajo	1696.4	868.7	876.6	- -
<u>Strawberry</u>	Starvation	165.3	130.8	45.6	- -

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>BEAR RIVER SYSTEM</u>					
Bear at Harer, Idaho	330	212	May-July		156
Bear nr Randolph	115	205	May-July	61	56
Bear nr Ut-Wyo State Line	128	128	May-July	105	100
Bear nr Woodruff	135	153	May-July	107	88
Big Crk nr Randolph	8.4	221	May-July	3.8	3.8
Blacksmith Fork nr Hyrum	50	165	May-July	31	30
Little Bear nr Paradise	30	161	May-June	21	18.6
Logan nr Logan (1)	144	167	May-July	105	86
Smith's Fork nr Border, Wyoming	200	185	Apr-Sept	104	108
Woodruff Crk nr Woodruff, Utah	24	214	May-July	11.0	11.2
<u>WEBER-OGDEN RIVERS</u>					
Chalk Crk. at Coalville	38	181	May-June		21
East Canyon Crk. nr Morgan (2)	16.9	156	May-June		10.8
Hardscrabble Crk nr Porterville	17.0	160	May-June		10.6
Lost Crk nr Croydon, Utah	16.5	201	May-June		8.2
Pineview Reservoir Inflow (3)	95	161	May-June		59
South Fork Ogden nr Huntsville	55	167	May-June		33
Rockport Reservoir Inflow (4)	135	142	May-June		95
Weber nr Coalville (5)	117	139	May-June		84
Weber nr Oakley	115	139	May-June		83
<u>PROVO RIVER & UTAH LAKE</u>					
American Fork nr American Fork	23	96	May-July	23	24
Hobble Crk. nr Springville	13.5	134	May-July	12.2	10.1
Provo nr Hailstone (6)	94	115	May-July		82
Provo below Deer Crk. Dam (7)	105	121	May-July		87
Spanish Fork at Thistle	27	129	May-July	32	21
Strawberry Reservoir Inflow (8)	40	129	May-July		31
Utah Lake Inflow	178	132	May-July		135
<u>JORDAN RIVER & SALT LAKE</u>					
Big Cottonwood nr SLC	36	120	May-July	22	30
Farmington Crk nr Farmington	8.0	143	May July	7.8	5.6
Little Cottonwood Crk nr SLC	35	113	May-July	35	31
Parley's Crk nr SLC	11.5	160	May-July	11.8	7.2
Settlement Canyon nr Tooele	2.2	129	May-July	-	1.7b
FOOTNOTES - See last page					

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>DUCHESNE RIVER</u>					
Duchesne nr Tabiona (13)	89	105	May-July		85
Duchesne at Duchesne (13)	157	101	May-July		155
Duchesne at Myton (16)	207	100	May-July		208
Duchesne at Randlett (16)	272	95	May-July		286
Strawberry at Duchesne	46	115	May-July		40
Rock Crk nr Mtn. Home	90	108	May-July		83
Lakefork below Moon Lake (14)	67	106	May-July		63
Yellowstone nr Altonah	63	112	May-July		56
Uinta nr Neola	77	103	May-July		75
Whiterocks nr Whiterocks	50	104	May-July		48
<u>PRICE RIVER</u>					
Gooseberry Crk. nr Scofield	10.0	110	May-July	10.7	9.1
Price nr Hiener (15)	48	112	May-July		43
Scofield Reservoir Inflow (15)	29	107	May-July	29	27
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	37.0	90	May-July		41
Ferron Crk nr Ferron	30	97	May-July	39	31
Huntington Crk nr Huntington	36	95	May-July	54	38
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	16.0	110	May-July	22	14.5
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	16.0	73	May-June	14.3	22
Santa Clara nr Pine Valley	1.2	50	May-June		2.4
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah (15)	2570	92	Apr-July	4066	2802
Flaming Gorge Inflow (3)	2010	191	Apr-July	985	1054
Lake Powell Inflow (3)	7740	119	Apr-July	8220	6527
Green at Green River, Utah (15)	4100	159	Apr-July	2970	2574
San Juan nr Bluff, Utah (15)	465	52	Apr-July	698	890
Navajo Reservoir Inflow	310	50	Apr-July	446	619
FOOTNOTES- See last page					

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>SEVIER RIVER</u>					
Chalk Creek nr Fillmore	11.4	110	May-July		10.4
Clear Crk nr Sevier(abv. Div.)	10.8	103	May-July	18.3	10.5b
East Fork Sevier nr Kingston (9)	5.1	80	May-July		6.4
Antimony Crk nr Antimony	5.0	85	May-July	6.7	5.9b
Inflow					
Kingston to Vermillion Dam	19	63	Apr-June		30 b
Vermillion Dam to Gunnison	28	108	May-June		26
Salina Crk at Salina (10)	8.3	166	May-June	9.3	5.0*
Sevier nr Circleville	10.0	50	May-July	12.1	20
Sevier nr Gunnison	35	160	May-July		21.9
Sevier at Hatch	16.5	61	May-July	19.2	27
Sevier nr Kingston	5.0	47	May-July	2.4	10.7
Sevier below Piute Dam (11)	9.0	62	May-July		14.5
<u>SAN PITCH RIVER</u>					
Ephraim Creek nr Ephraim	15.2	115	May-July		13.2b
Pleasant Crk. nr Mt. Pleasant	7.9	116	May-July	5.9	6.8b
<u>BEAVER RIVER</u>					
Beaver nr Beaver	18.0	109	May-July	22	16.5
Rockyford Reservoir Inflow (12)	2.0	46	May-June		4.3
<u>COAL CREEK</u>					
Coal Crk nr Cedar City	6.5	60	May-July	9.1	10.9
<u>COLORADO RIVER DRAINAGE</u>					
<u>GREEN RIVER TRIBUTARIES IN UTAH</u>					
<u>FLAMING GORGE TO DUCHESNE RIVER</u>					
Ashley Creek nr Vernal	44	105	May-July		42
Henry's Fork at Linwood	42	110	Apr-Sept		38
<u>FREMONT RIVER BASIN</u>					
Seven Mile Crk. nr Fish Lake	6.4	103	Apr-July	8.3	6.2b
FOOTNOTES - See last page					

PEAK FLOWS

(MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
<u>NORTHERN UTAH</u>		
Big Creek near Randolph	70 - 110	43
Big Cottonwood Creek near SLC	380 - 545	310
Hobble Creek near Springville	100 - 270	180
Spanish Fork near Thistle	190 - 680	307
So. Fork Ogden River nr Huntsville	700 - 950	643
Woodruff Creek near Woodruff	270 - 450	220
<u>EASTERN UTAH</u>		
Ferron Creek near Ferron	340 - 650	414
Muddy Creek near Emery	140 - 270	142
Strawberry River at Duchesne	480 - 950	558
<u>SOUTHERN and CENTRAL UTAH</u>		
Beaver River near Beaver	100 - 370	215
Clear Creek near Sevier	130 - 160	156b
Coal Creek near Cedar City	75 - 240	217
Salina Creek near Salina	190 - 225	133*
Sevier River at Hatch	100 - 300	370
Sevier River at Circleville	70 - 225	292
Sevier River at Kingston	20 - 120	223
Virgin River nr Virgin	200 - 410	557
*Highly abnormal weather during the critical melting period may cause the peak to be outside the indicated range.		

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Creek nr Sevier (above Div.)	5	July 8	July 19
Salina Creek at Salina	25	June 9	June 10
Sevier at Circleville(Circle Valley)	90	May 29	June 24
Sevier at Hatch (upper)	100	June 3	July 10

WSFB-X10-L

PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period†	Forecast Period
<u>Sevier River</u>			
Below Vermillion Dam	55	58	Apr-Sept
Circle Valley	55	66	Apr-Sept
Panguitch Valley	75	84	Apr-Sept
Sevier Valley	32	40	Apr-Sept

OTHER SPECIAL FORECASTS

Below Vermillion - Flow above 360 second feet is expected to total
1800 to 2500 acre feet.

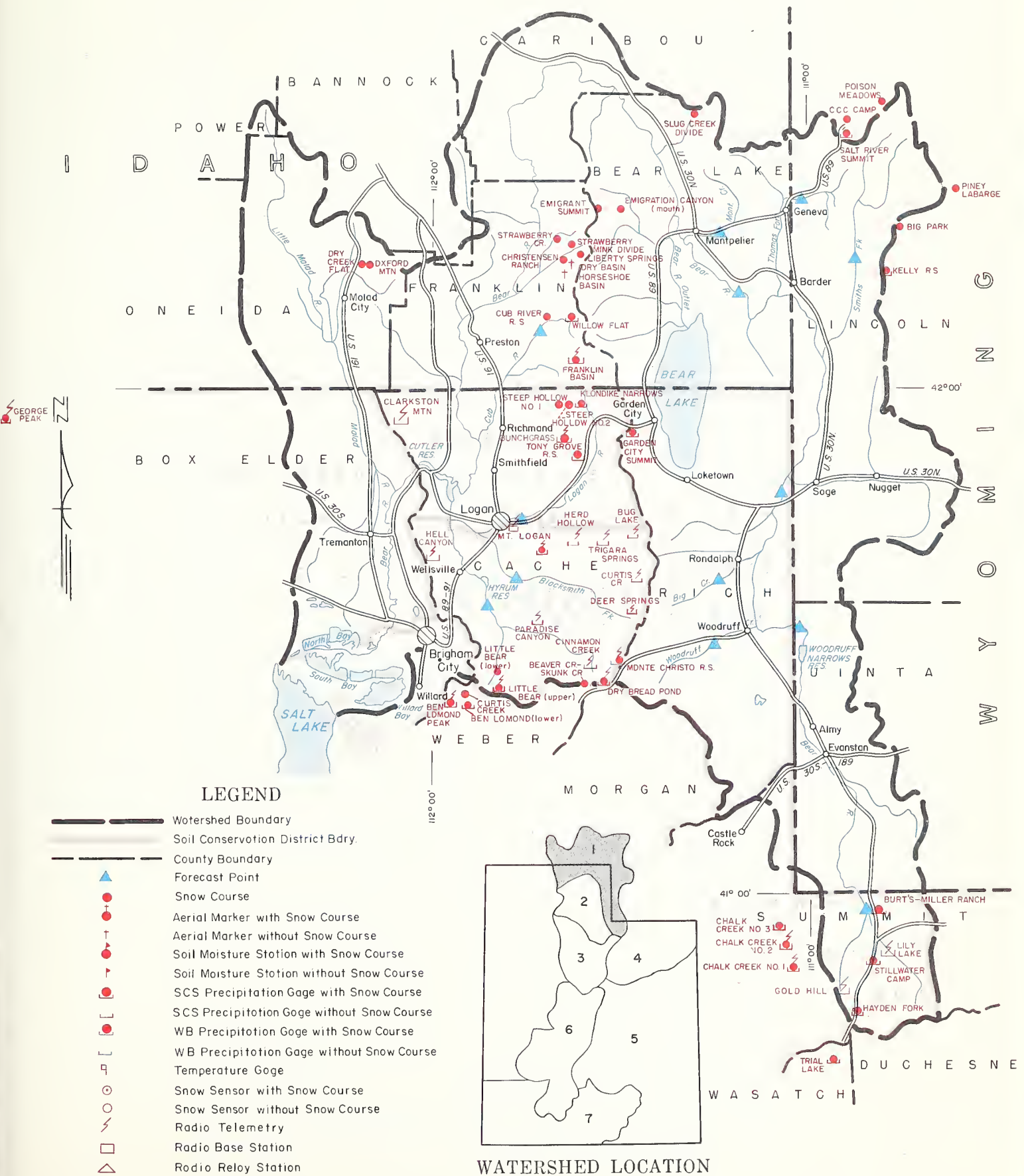
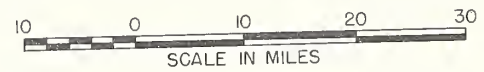
SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED		Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF:	
			Last Year	Average
<u>BEAR RIVER</u>				
Bear River So. of Evanston, Wyo.	5	83	109	
Blacksmith Fork - Little Bear River	5	116	163	
Cub River (Idaho)	1	64	188	
Emigration Creek (Idaho)	1	138	180	
Logan River	5	135	179	
Malad River	-	-	-	
Smith's Fork of Bear River (Wyo)	5	159	195	
Strawberry-Mink Creeks	3	130	191	
<u>WEBER-OGDEN RIVERS</u>				
Chalk Creek above Coalville	3	99	116	
East Canyon Creek	2	78	108	
Farmington Creek	2	98	132	
Ogden River	5	109	141	
Weber River above Coalville	8	84	116	
<u>UTAH LAKE, JORDAN RIVER & TOOELE VALLEY</u>				
American Fork River	3	40	52	
Hobble Creek	2	16	34	
Mt. Nebo Area	2	29	55	
Provo River above Deer Crk. Dam	6	84	100	
Salt Lake Area	3	76	114	
Spanish Fork River	5	49	84	
Strawberry Reservoir Valley	1	48	71	
Tooele Area	3	99	152	
<u>SEVIER RIVER</u>				
Beaver River	3	65	90	
Chalk Creek nr Fillmore	2	36	76	
Chicken Creek near Levan	-	-	-	
Clear Creek above Sevier	1	54	92	
East Fork Sevier River	5	40	56	
Ephraim Creek	2	80	102	
Manti Creek	-	-	-	
Mt. Pleasant Area	2	63	92	
Salina Creek	2	76	128	
Sevier River above Panguitch	5	56	51	
Twelve Mile Creek near Mayfield	2	74	99	

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

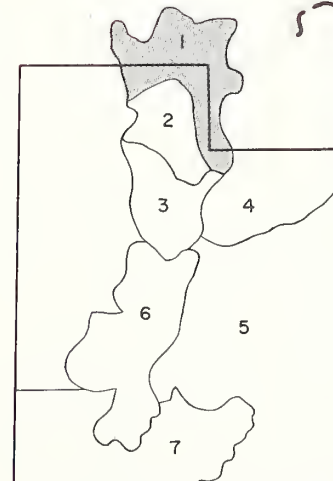
RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF:	
		Last Year	Average
<u>UINTAH BASIN & NORTH SLOPE UINTAH MOUNTAINS</u>			
Ashley-Brush Creeks	4	87	106
Black's Fork & Smith's Fork Rivers	4	78	95
Duchesne River above Tabiona	3	88	107
Henry's Fork River & Sheep Creek	2	61	68
Lakefork River	2	100	93
Strawberry River	3	61	99
Uintah-Whiterocks Rivers	3	118	106
<u>CARBON, EMERY, WAYNE, GRAND & SAN JUAN COUNTIES</u>			
Blue Mountains near Monticello	2	0	0
Fremont River	4	56	102
LaSal Mountains near Moab	2	34	103
Muddy River	-	-	-
Price River	6	59	89
San Rafael River	8	57	81
<u>EAST GARFIELD, KANE, WASHINGTON & IRON COUNTIES</u>			
Coal Creek near Cedar City	3	58	62
Escalante River	3	41	47
New Harmony to Newcastle	1	0	0
Paria River	-	-	-
Parowan Creek	3	55	62
Virgin River	4	55	54

BEAR RIVER BASIN



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- Radio Telemetry
- Radio Base Station
- Radio Relay Station



WATERSHED LOCATION

INDEX

NO.	STATE	NAME	SE C.	TWP.	RGE.	ELEV.
UPPER BEAR RIVER (above Harer, Idaho)						
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7P	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12P	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10J17P	U	Stillwater Camp	32	2N	10E	8,550

LOWER BEAR RIVER (below Harer, Idaho)

11H14M	U	Beaver Creek-Skunk Creek x	22	8N	3E	7,150
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mtn.	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H33P	U	Curtis Creek	12	10N	4E	8,450
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
11H13MP	U	Dry Bread Pond x	19	8N	4E	8,230
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MP	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
12H2p	U	Hell Canyon	24	11N	2W	6,400
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,420
11H26	U	Little Bear (lower)	15	8N	1E	6,000
11H25P	U	Little Bear (upper)	22	8N	1E	6,550
11H6	U	Mt. Logan	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250
11H41p	U	Trigara Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100

LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

BEAR RIVER BASIN

SNOW

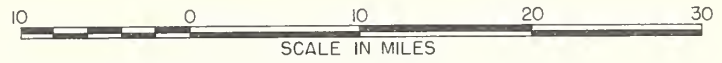
SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
UPPER BEAR RIVER (Above Harer, Idaho)						
Big Park x	8700	4/28	82	33.8	21.2	20.2
Burts-Miller Ranch	7900	4/23	0	0.0	7.0	1.1b
CCC Camp	7500	4/28	44	18.2	14.2	5.9
Hayden Fork	9400	4/23	36	13.7	16.7	14.7b
Kelly Ranger Station	8200	4/28	73	30.3	18.8	17.2
Monte Cristo R.S.	8960	4/29	87	39.2	26.2	24.6
Piney-LaBarge x	8820	4/29	84	37.9	22.1	- -
Poison Meadows x	8500	4/29	117	49.7	32.6	31.5*
Salt River Summit x	7900	4/28	59	26.3	16.0	11.9*
Stillwater Camp	8550	4/23	21	7.8	10.1	6.6b
Trial Lake x	9800	4/29	84	33.4	26.6	27.3
LOWER BEAR RIVER (Below Harer, Idaho)						
Beaver Crk-Skunk Crk	7150	4/29	12	5.8	9.4	3.3
Dry Bread Pond x	8230	4/29	54	22.5	19.6	13.9
Emigrant Summit	7350	4/28	88	38.6	27.9	21.5*
Garden City Summit	7600	4/26	69	25.8	17.8	14.7
Klondike Narrows	7400	4/26	65	25.6	20.4	13.2b
Little Bear (lower)	6000	4/27	0	0.0	3.0	0.5b
Little Bear (upper)	6550	4/27	9	2.6	9.6	2.3b
Monte Cristo R.S.	8960	4/29	87	39.2	26.2	24.6
Steep Hollow #1	8500	4/26	139	58.7	40.2	35.3b
Steep Hollow #2	7700	4/26	95	39.0	28.2	20.3b
Strawberry Creek	5800	4/29	12	4.3	5.7	2.1*
Strawberry Mink Divide	6800	4/30	64	29.0	21.5	14.1*
Tony Grove R.S.	6250	4/27	8	1.8	5.1	0.8b
Willow Flat	6100	4/29	18	6.2	9.7	3.3*
Christensen Ranch	5600	4/29	0	0.0	0.4	0.0*
Cub River R.S.	5400	4/29	0	0.0	0.8	0.0*
Liberty Spring	8600	4/30	151	61.8	42.3	39.4*

FOOTNOTES - See last page

PRECIPITATION (Inches)

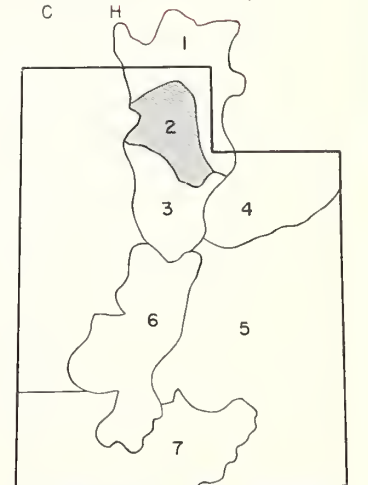
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
Burts - Miller Ranch	7900	4/23	1.47	- -	13.32	- -	- -
Chalk Creek #1 x	9100	4/29	3.21	- -	- -	- -	- -
Chalk Creek #2 x	8000	No	Data	3.32*	- -	18.28*	- -
Chalk Creek #3 x	7500	4/26	1.61	3.91b	18.69	16.64b	112
Dry Bread Pond	8230	4/29	3.71	4.00*	38.04	23.90*	159
Garden City Summit	7600	4/26	4.01	3.40*	31.68	21.30*	149
Hayden Fork	9400	4/23	2.15	- -	28.60	- -	- -
Klondike Narrows	7400	No	Data	3.49*	- -	26.76*	- -
Little Bear (upper)	6550	No	Data	4.46*	- -	22.92*	- -
Monte Cristo #2	8960	4/29	4.49	5.48b	47.20	30.13b	157
Sagebrush Flat x	6300	4/29	2.15	2.63b	21.25	15.99b	133
Salt River Summit	7900	4/28	1.55	2.54b	30.40	18.23*	167
Stillwater Camp	8550	4/23	1.95	2.94b	18.09	15.52*	116
Tony Grove R.S. (SCS)	6250	4/29	3.10	3.40b	- -	22.15b	- -
Trial Lake x	9800	4/29	4.09	3.87	35.96	25.05*	144
Willow Flat	6100	4/29	4.50	4.02b	39.82	25.17	158
Franklin Basin	8000	No	Data	- -	- -	- -	- -
FOOTNOTES - See last page							

WEBER - OGDEN WATERSHEDS



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- ⚡ Radio Telemetry
- Radio Base Station
- △ Radio Relay Station



WATERSHED LOCATION

INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
OGDEN RIVER						
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8P *	U	Ben Lomond Peak	3	7N	1W	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	6,000
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H29	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H12P	U	Monte Cristo R.S. x	4	8N	4E	8,960
11H15P	U	Sagebrush Flat	21	7N	3E	6,300

WEBER RIVER						
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1P	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J12P	U	Farmington Canyon (lower) x	14	3N	1E	6,950
11J11PTS*	U	Farmington Canyon (upper) x	26	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21PT	U	Horse Ridge	1	6N	4E	8,260
11H31P	U	Kilfore Creek	20	6N	5E	7,300
11J14	U	Lamb's Canyon x	19	1S	3E	6,600
11H32P	U	Lost Creek	27	6N	5E	6,125
11J15PTS*	U	Parley's Canyon Summit	5	1S	3E	7,500
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeant Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J16P	U	Silver Lake (Brighton) x	35	2S	3E	8,725
11J4P	U	Smith & Morehouse	25	1N	7E	7,600
10J8P	U	Trial Lake x	5	2S	9E	9,800

LEGEND

Numbering system (example)

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10J7T	Temperature Gage Only
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10J7M	Snow Course and Soil Moisture Station
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10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

WEBER-OGDEN WATERSHEDS

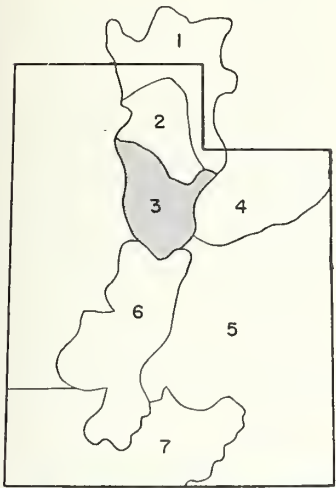
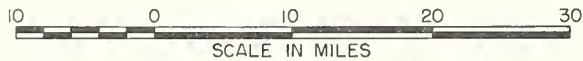
SNOW

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>OGDEN RIVER</u>						
Beaver Crk-Skunk Crk	7150	4/29	12	5.8	9.4	3.3
Ben Lomond (lower)	6000	4/28	6	2.3	9.9	3.7b
Ben Lomond Peak	8000	4/28	94	40.1	35.3	30.6
Ben Lomond Trail	6000	4/28	12	4.9	8.8	5.3b
Cutler Creek	6780	4/28	58	24.1	23.7	23.8b
Dry Bread Pond	8230	4/29	54	22.5	19.6	13.9
Monte Cristo R.S.	8960	4/29	87	39.2	26.2	24.6
Sagebrush Flat	6300	4/29	0	0.0	0.4	0.0b
<u>WEBER RIVER</u>						
Beaver Creek R.S.	7500	4/29	0	0.0	4.4	1.1
Chalk Creek #1	9100	4/26	73	28.6	23.0	23.2
Chalk Creek #2	7900	4/26	40	14.4	14.8	11.8
Chalk Creek #3	7500	4/26	0	0.0	5.6	1.9*
Farmington Canyon (lower)	6950	4/26	55	22.4	24.4	17.8
Farmington Canyon (upper)	8000	4/26	87	37.1	36.2	27.1b
Lamb's Canyon x	6600	4/29	22	9.0	18.9	6.3
Parley's Canyon Smt.	7500	4/29	26	11.8	19.0	10.4
Redden Mine (lower)	8500	4/28	45	18.0	16.8	14.9*
Redden Mine (upper)	9000	4/28	50	20.5	19.6	17.0
Silver Lake x	8725	4/29	56	25.5	28.7	24.2
Smith & Morehouse	7600	4/27	16	5.5	12.8	5.8
Trial Lake x	9800	4/29	84	33.4	26.6	27.3
Horse Ridge	8260	4/29	56	25.2	22.5	20.2
Kilfore Creek	7300	Not read			12.5	9.7b
FOOTNOTES - See last page						

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>OGDEN RIVER</u>							
Ben Lomond (lower)	6000	4/28	3.57	4.72*	36.34	28.19*	129
Ben Lomond Trail	6000	4/28	3.62	7.07b	39.33	31.72*	124
Causey Dam	5500	4/29	1.81	2.95b	17.10	- -	- -
Dry Bread Pond	8230	4/29	3.71	4.00*	38.04	23.90*	159
Monte Cristo #2 x	8960	4/29	4.49	5.48b	47.20	30.13b	157
Sagebrush Flat	6300	4/29	2.15	2.63b	21.25	15.99b	133
<u>WEBER RIVER</u>							
Chalk Creek #1	9100	4/29	3.21	- -	- -	- -	- -
Chalk Creek #2	7900	No Data		3.32*	- -	18.28*	- -
Chalk Creek #3	7500	4/26	1.61	3.91b	18.69	16.64b	112
Farmington Guard Station	7500	4/26	4.06	5.54	43.40	32.30	134
Farmington Rice	7000	4/26	4.75	5.54	36.88	29.92	123
Mt. Dell Dam x	5500	4/30	1.62	2.88	18.13	14.72	123
Parley's Canyon Smt.	7500	4/29	2.76	4.71*	30.32	24.04*	126
Redden Mine (upper)	9000	4/28	3.53	- -	30.78	- -	- -
Silver Lake (Brighton) x	8725	4/30	4.38	6.58	36.17	30.73	118
Smith & Morehouse	7600	4/27	2.25	3.54*	23.51	19.99*	118
Trial Lake x	9800	4/29	4.09	3.87	35.96	25.05*	144
Sargeant Lakes	8400	4/29	3.09	- -	- -	- -	- -
Horse Ridge	8260	4/29	3.14	- -	44.10	- -	- -
FOOTNOTES - See last page							

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS



WATERSHED LOCATION



INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PROVO RIVER & UTAH LAKE						
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22P	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J23MP	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J7P	U	East Portal	36	7S	6E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,100
11J31	U	Packard Canyon	21	7S	5E	6,400
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J8	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J18P	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8P	U	Trial Lake	5	2S	9E	9,800

JORDAN RIVER & GREAT SALT LAKE

12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5p	U	Deseret Peak	15	4S	7W	9,250
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
11J11	U	Farmington Canyon (upper)	26	3N	1E	8,000
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,400
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J10	U	Mill D South Fork	18	2S	3E	7,400
11J15P	U	Parley's Canyon Summit x	5	1S	3E	7,500
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
12K2P	U	Vernon Creek	21	10S	5W	7,500

LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

UTAH LAKE, JORDAN RIVER & TOOELE WATERSHEDS

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
					Last Year	Average †
<u>UTAH LAKE</u>						
Beaver Creek R.S.	7500	4/29	0	0.0	4.4	1.1
Camp Altamont	7300	4/30	0	0.0	6.8	4.9
Clear Creek Ridge #1	9200	4/28	38	15.9	20.2	15.2b
Clear Creek Ridge #2	8000	4/28	20	7.5	13.6	7.4b
Clear Creek Ridge #3	6600	4/28	0	0.0	1.5	0.1b
Daniels Strawberry Smt.	8000	4/27	16	4.6	9.6	6.5
Dutchman R.S.	7560	4/30	7	2.6	14.6	8.1b
East Portal	7560	4/30	Under water		7.1	10.1b
Hobble Creek Summit	7420	4/29	6	2.0	10.4	5.1b
Packard C nyon	6400	4/29	0	0.0	1.9	0.8b
Payson R.S.	8050	4/27	25	8.3	19.3	11.7b
Rock Bridge	6750	4/27	0	0.0	9.6	3.4b
Soapstone R.S.	7800	4/29	12	4.2	11.7	5.7
Strawberry Divide	8000		Not measured	- -	19.0	- -
Timpanogos Divide	8140	4/30	32	13.8	19.2	18.4
Trial Lake	9800	4/29	84	33.4	26.6	27.3
<u>JORDAN RIVER & TOOELE VALLEY</u>						
Bevan's Cabin	6450	4/29	14	5.6	7.6	1.7b
Lamb's Canyon	6600	4/29	22	9.0	18.9	6.3
Middle Canyon - Tooele	7000	4/29	23	10.9	13.6	6.0b
Mill D South Fork	7400	4/29	34	15.5	22.1	11.9
Parley's Canyon Smt. x	7500	4/29	26	11.8	19.0	10.4
Rocky Basin-Sttlmt. Canyon	8900	5/1	73	32.0	27.6	24.2b
Silver Lake	8725	4/29	56	25.5	28.7	24.2
Vernon Creek	7500	4/29	2	1.6	2.6	- -

FOOTNOTES - See last page

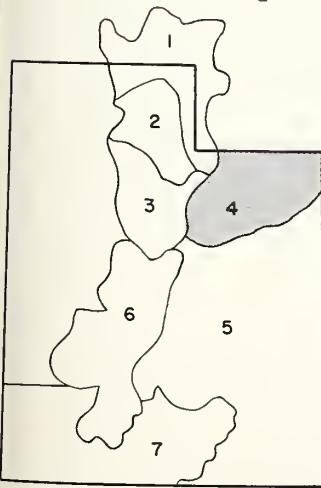
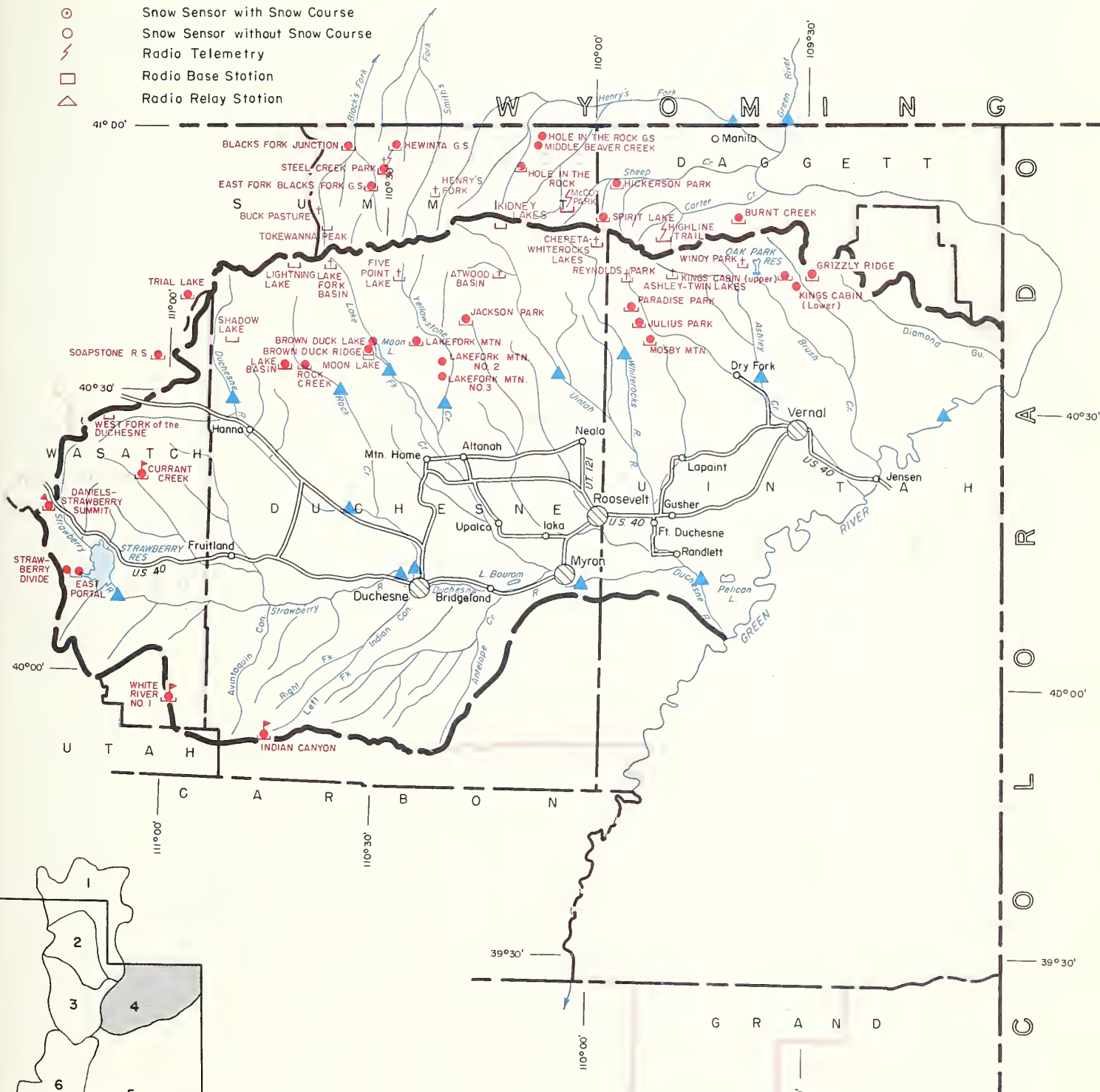
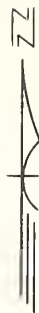
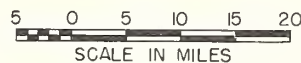
PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UTAH LAKE</u>							
Clear Creek Ridge #2	8000	4/28	2.50	2.97b	21.87	17.29*	126
Daniels-Strawberry Smt.	8000	4/27	2.57	2.72*	23.01	19.83*	116
Dutchman R.S.	7560	4/30	3.00	3.91b	25.86	23.17b	112
East Portal Ridge	7800	4/30	2.65	3.63	20.69	20.53*	101
Hobble Creek Smt.	7420	4/29	3.02	- -	23.13	- -	- -
Payson R.S.	8050	4/27	3.35	3.59b	22.27	20.56	108
Soapstone R.S.	7800	4/29	2.41	2.94*	22.19	17.61*	126
Timpanogos Divide	8200	4/30	3.66	3.69	29.21	27.47	106
Trial Lake	9800	4/29	4.09	3.87	35.96	25.05*	144
<u>JORDAN RIVER & TOOELE VALLEY</u>							
Middle Canyon	7000	4/29	3.89	4.42b	22.81	20.85*	109
Mt. Dell Dam	5500	5/3	1.62	2.88	18.13	14.72	123
Parley's Canyon Smt.	7500	4/29	2.76	4.71	30.32	24.04	126
Silver Lake (Brighton)	8725	4/30	4.38	6.58	36.17	30.73	118
Vernon Creek	7500	4/29	3.77	- -	18.43	- -	- -
FOOTNOTES - See last page							

LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- Radio Telemetry
- Radio Base Station
- Radio Relay Station

UINTAH BASIN & DAGGETT S. C. D's.



WATERSHED LOCATION

INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER GREEN RIVER IN UTAH (above Duchesne River)						
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	14	1N	11E	9,700
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	24	2N	17E	9,100
9J15p	U	Highline Trail	23	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1P	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,550
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20p	U	Steel Creek Park	17	2N	13E	9,900
10J31P	U	Tokewanna Peak	23	1N	11E	9,800
9J12ap	U	Windy Park	1	1S	20E	9,400
DUCHESNE RIVER						
10J27ap	U	Atwood Basin	21	1S	15E	10,250
10J9P	U	Brown Duck Lake	2	2N	6W	10,300
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J9ap	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Daniels-Strawberry Summit x	20	2S	12W	8,000
11J7P	U	East Portal x	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
9J13P	U	Grizzley Ridge	8	1S	22E	8,500
10K1P	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	23	3N	4W	11,300
9J6P	U	Julius Park	20	3N	1E	9,800
10J38P	U	Lake Basin	23	3S	8W	10,800
10J25a	U	Lakefork Basin	13	4N	7W	11,100
10J10P	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
10J29p	U	Lightning Lake	24	4N	8W	10,950
9J5	U	Mosby Mountain	27	2S	18E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32p	U	Shadow Lake	28	3N	8W	10,150
10J25P	U	Soapstone R.S. x	9	3S	8E	7,800
11J8	U	Strawberry Divide x	34 & 35	7S	6E	8,000
10J8P	U	Trial Lake x	5	2S	9E	9,800
11J35P	U	West Fork of the Duchesne	22	1N	19E	10,250
10K2MP	U	White River #1 x	11	10S	8E	8,550

LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
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10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

UINAH BASIN & DAGGETT SCD's

SNOW

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UINTAH BASIN SCD</u>						
Currant Creek	7800	4/28	0	0.0	- -	1.3b
Daniels Strawberry Smt.	8000	4/27	16	4.6	9.6	6.5
Grizzly Ridge	8500	4/21	27	8.1	11.9	- -
Indian Canyon	9100	4/26	23	6.2	11.1	7.8*
Julius Park	9800	4/26	39	12.6	11.6	11.8b
King's Cabin (lower)	8600	4/21	16	4.2	9.6	4.7
King's Cabin (upper)	8730	4/21	29	8.5	12.3	7.0
Lakefork Mountain	10200	4/27	40	10.8	10.5	10.8
Lakefork Mountain #2	8900	4/27	9	2.1	2.4	3.0b
Lakefork Mountain #3	8100	4/27	1	0.2	0.5	0.7b
Mosby Mountain	9500	4/26	33	8.6	6.8	9.0b
Paradise Park	10100	4/26	42	13.1	10.7	11.6b
Soapstone R.S. x	7800	4/29	12	4.2	11.7	5.7
Trial Lake x	9800	4/29	84	33.4	26.6	27.3
White River #1	8550	4/29	27	10.7	14.6	7.4*
Rock Creek	7900	4/29	0	0.0	1.0	0.8b
<u>DAGGETT SCD</u>						
Black's Fork Jct.	8925	4/27	24	6.3	11.2	7.9b
Burnt Creek	7900	4/22	15	3.4	10.6	- -
E. Fk. Black's Fork G.S.	9300	4/22	31	7.9	11.2	9.7b
Hewinta Guard Station	9500	4/22	32	8.5	12.5	9.9b
Hickerson Park	9100	4/22	17	4.0	9.3	- -
Spirit Lake	10300	4/21	45	12.5	17.8	14.4b
Steel Creek Park	9900	4/22	70	20.2	19.7	17.7b
<u>UINTAH BASIN - Aerial Markers</u>						
Ashley Twin Lakes A	10500	4/28	62	19.2	20.9	- -
Atwood Basin A	10250	4/28	38	11.4	13.2	- -
Buck Pasture A	9700	4/28	85	24.6	17.7	- -
Chepeta-Whiterocks Lakes A	10300	4/28	49	15.2	19.4	- -
Five Point Lake A	11000	4/28	67	18.1	16.2	- -
Henry's Fork A	10000	4/28	50	14.5	15.6	- -
Lakefork Basin A	11100	4/28	Not measured		19.4	- -
Reynolds Park A	10400	4/28	68	21.1	18.3	- -
Windy Park A	9400	4/28	39	11.3	15.7	- -

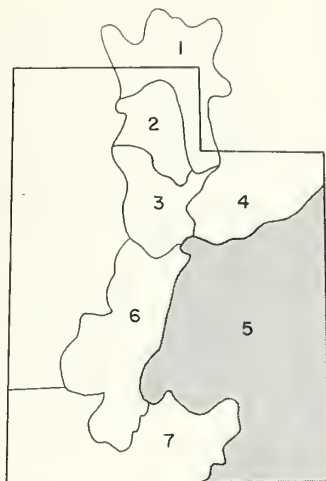
FOOTNOTES - See last page

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UINTAH BASIN SCD</u>							
Currant Creek	7800	4/28	2.04	2.26b	18.52	14.61b	127
Daniels-Strawberry Smt. x	8000	4/27	2.57	2.72*	23.01	19.83*	116
East Portal Ridge x	7800	4/30	2.65	3.63	20.69	20.53*	101
Grizzly Ridge	8500	4/21	1.97	- -	14.83	- -	- -
Indian Canyon	9100	4/26	2.52	2.35b	14.44	15.41b	94
Julius Park	9800	4/26	3.20	2.99b	13.59	14.23*	96
King's Cabin (upper)	8730	4/21	1.41	2.84	12.66	12.88*	98
Lakefork Mountain	10200	4/27	3.75	2.55*	15.29	13.64*	112
Moon Lake	8150	4/30	1.80	1.47	8.90	9.01	99
Mosby Mountain	9500	4/23	3.58	- -	12.82	- -	- -
Paradise Park	10100	4/26	3.73	2.98b	15.39	15.52*	99
Rock Creek	7900	4/29	2.12	2.14b	14.00	12.56b	111
Soapstone R.S. x	7800	4/29	2.41	2.94*	22.19	17.61*	126
Trial Lake x	9800	4/29	4.09	3.87	35.96	25.05*	144
White River #1 x	8550	4/29	2.80	2.61b	16.30	15.59*	104
<u>DAGGETT SCD</u>							
Black's Fork Jct.	8925	4/22	2.56	2.75b	17.07	13.08b	130
Burnt Creek	7900	4/22	2.69	- -	11.99	- -	- -
East Fk.Black's Fk. G.S.	9300	4/22	3.16	2.95b	18.35	14.01b	131
Hewinta Guard Station	9500	4/22	3.19	3.18b	19.16	14.95b	128
Spirit Lake	10300	4/21	3.47	4.35b	17.75	18.33*	97
Steel Creek Park	9900	4/29	3.84	- -	9.89	- -	- -
Hickerson Park	9100	4/21	2.99	- -	12.58	- -	- -
FOOTNOTES - See last page							

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES

10 0 10 20 30 40
SCALE IN MILES

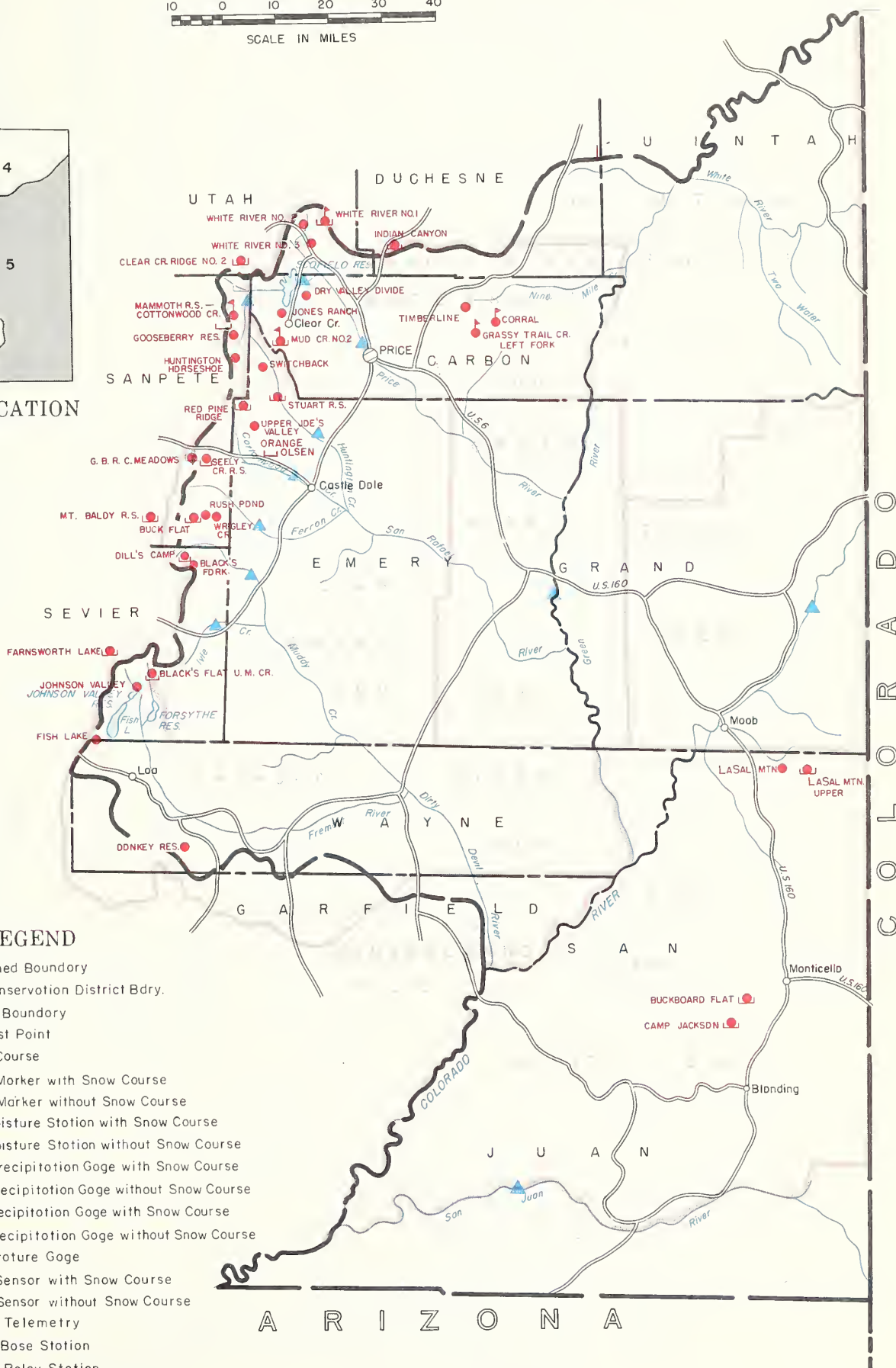


WATERSHED LOCATION



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
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- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- Radio Telemetry
- Radio Base Station
- Radio Relay Station



INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PRICE RIVER						
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Valley Divide	20	12S	8E	7,800
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
10K3M	U	Grassy Trail Creek-Left Fork	2	14S	13E	7,970
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
10K1P	U	Indian Canyon x	2	11S	10E	9,100
11K7	U	Jones Ranch	32	12S	7E	7,600
11K3MP	U	Mammoth R.S. - Cottonwood Creek x	13	13S	5E	8,800
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MP	-U	White River #1	11	10S	8E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400
SAN RAFAEL RIVER						
11K31P	U	Buck Flat	23	19S	4E	9,400
11K4P	U	Gooseberry Reservoir x	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe x	12	14S	5E	9,800
11K28P	U	Red Pine Ridge	5	16S	6E	9,400
11K38	U	Rush Pond	24	19S	4E	9,800
11K9	U	Seeley Creek R.S.	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K26	U	Switchback	14	14S	6E	8,600
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
MUDDY RIVER						
11K14	U	Black's Fork	34	20S	4E	9,200
11K15P	U	Dill's Camp	27	20S	4E	9,200
FREMONT RIVER						
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
SOUTHEASTERN UTAH DRAINAGES						
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400

LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

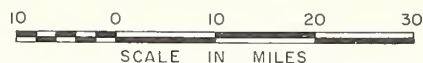
SNOW

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>PRICE RIVER</u>						
Dry Valley Divide	7800	4/28	0	0.0	7.9	3.9b
Gooseberry Reservoir	8700	4/28	36	14.1	20.9	16.1b
Indian Canyon x	9100	4/26	23	6.2	11.1	7.8*
Mammoth R.S. Ctwd. Crk. x	8800	4/28	38	15.6	22.2	16.1b
Mud Creek #2	8300	4/28	10	3.8	12.1	7.4b
White River #1	8550	4/29	27	10.7	14.6	7.4*
White River #2	7600	4/28	0	0.0	3.4	1.0b
White River #3	7400	4/28	0	0.0	0.0	0.2b
Jones Ranch	7600	4/28	0	0.0	0.3	4.9b
<u>SAN RAFAEL RIVER</u>						
Buck Flat	9400	4/28	40	15.3	20.2	15.6b
Gooseberry Reservoir x	8700	4/28	36	14.1	20.9	16.1b
Red Pine Ridge	9400	4/29	32	11.8	21.4	14.1b
Rush Pond	9800	4/28	30	10.2	14.4	11.1b
Seely Creek R.S.	10000	4/30	35	13.2	20.2	15.6b
Stuart R.S.	7950	4/30	0	0.0	5.3	1.0b
Switchback	8600	4/30	22	8.4	17.0	11.9b
Upper Joe's Valley	8900	4/29	2	0.8	11.3	4.9b
Wrigley Creek	9000	4/28	13	4.1	11.8	6.5b
<u>FREMONT RIVER</u>						
Black's Flat-U.M. Creek	9250	4/26	23	7.6	14.0	7.7b
Farnsworth Lake x	9900	4/29	64	23.6	27.8	18.8b
Fish Lake	8700	4/26	0	0.0	6.1	2.0b
Johnson Valley	8850	4/26	1	0.1	8.1	2.2b
<u>SOUTHEASTERN UTAH DRAINAGES</u>						
Buckboard Flat	9000	4/29	0	0.0	10.0	5.2b
Camp Jackson	8600	4/29	0	0.0	9.4	2.9b
LaSal Mountain	8800	4/27	8	3.0	13.4	1.5b
LaSal Mountain (upper)	9400	4/27	28	9.3	22.4	10.4b
FOOTNOTES - See last page						

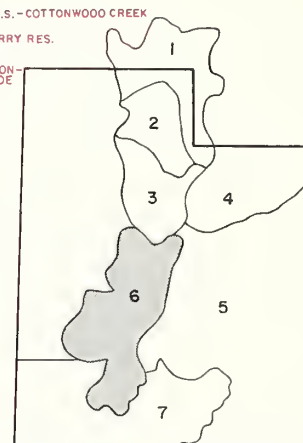
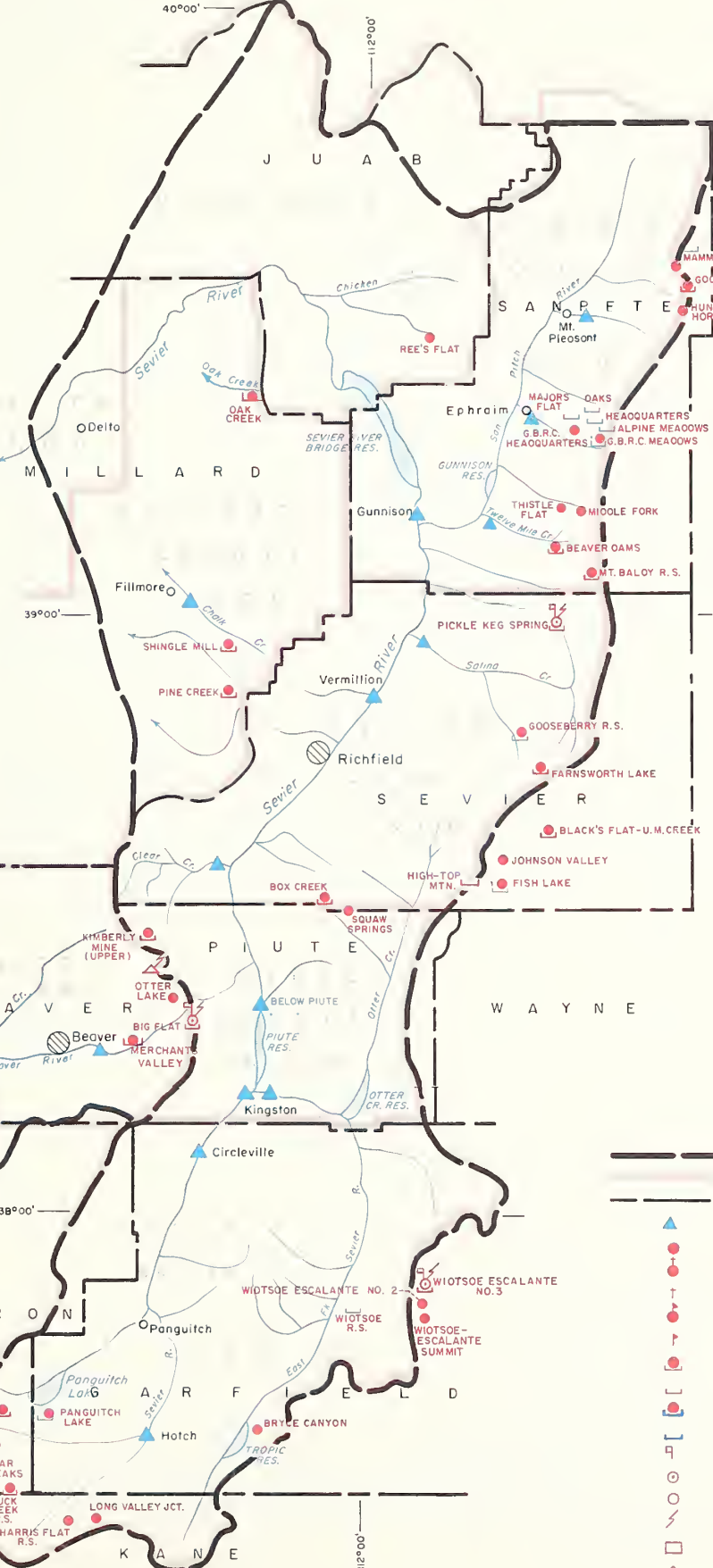
PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>PRICE RIVER</u>							
Clear Creek Ridge #2	8000	4/28	2.50	2.97b	21.87	17.29*	126
Gooseberry Reservoir	8700	4/28	2.76	3.36*	21.82	20.63*	106
Indian Canyon	9100	4/26	2.52	2.35b	14.44	15.41b	94
Mammoth R.S. #2	8600	4/28	3.55	3.52b	23.79	21.75*	109
Mud Creek	8300	4/28	1.70	2.52*	15.20	16.82*	90
White River #1	8550	4/29	2.80	2.61b	16.30	15.59*	104
<u>SAN RAFAEL RIVER</u>							
Buck Flat	9400	4/28	2.00	3.22b	22.60	19.37*	117
Gooseberry Reservoir x	8700	4/28	2.76	3.36*	21.82	20.63*	106
Orange Olsen	7300	4/29	0.70	- -	9.10	- -	- -
Red Pine Ridge	9400	4/29	2.90	3.64b	26.65	22.62*	118
Stuart R.S.	7950	4/30	1.70	2.15b	13.60	13.36*	102
<u>FREMONT RIVER</u>							
Black's Flat-U.M. Creek	9250	4/26	1.77	2.54b	15.23	14.34*	106
Farnsworth Lake x	9900	4/29	3.43	4.21*	27.66	22.36b	124
Fish Lake	8700	4/26	1.62	1.93b	11.09	10.04b	110
<u>SOUTHEASTERN UTAH DRAINAGES</u>							
Buckboard Flat	9000	4/29	0.80	2.94b	12.63	19.86b	64
Camp Jackson	8600	4/29	1.10	2.28*	12.30	16.59*	74
LaSal Mountain (upper)	9400	4/27	3.30	2.30b	16.10	16.86*	95
FOOTNOTES - See last page							

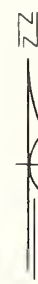
SEVIER RIVER BASIN including BEAVER RIVER



T O O E L E U T A H



WATERSHED LOCATION



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- Radio Telemetry
- Radio Base Station
- Radio Relay Station

INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER SEVIER RIVER (South of Richfield, Utah)						
12L7PT	U	Big Flat x	18	29S	4W	10,290
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	23	36S	8W	9,700
12M1P	U	Cedar Breaks	2	37S	9W	10,390
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
11L3P	U	Fish Lake x	35	26S	1E	8,700
12M5	U	Harris Flat	24	38S	7W	7,700
11L9P	U	High-Top Mountain.	36	25S	1E	11,400
12L6P	U	Kimberly Mine	11	27S	5W	9,300
12M6	U	Long Valley Junction x	22	38S	6W	7,500
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12L5	U	Squaw Springs	3	27S	2W	9,300
11M1	U	Widtsoe-Escalante Summit x	22	34S	1W	9,500
11M2PT	U	Widtsoe-Escalante #2 x	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3 x	22	34S	1W	9,500
11M4P	U	Widtsoe R.S.	22	34S	2W	7,600
LOWER SEVIER RIVER (Including San Pitch River)						
11K13P	U	Beaver Dams	27	19S	3E	8,000
11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2P	U	Gooseberry R.S.	22	23S	2E	8,400
11K4P	U	Gooseberry Reservoir x	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe x	12	14S	5E	9,800
11K3MP	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
11K39PT	U	Pickle Keg Springs	4	21S	3E	9,600
12L1P	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	23	18S	3E	8,500
BEAVER RIVER						
12L7PT	U	Big Flat	18	29S	4W	10,290
12L9P	U	Merchant's Valley	8 & 9	29S	5W	8,200
12L8	U	Otter Lake	1	29S	5W	9,300

LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UPPER SEVIER RIVER</u>						
<u>(South of Richfield, Utah)</u>						
Big Flat x	10290	4/27	53	17.1	21.6	17.8
Box Creek	9800	4/26	23	8.1	15.0	10.2b
Castle Valley	9700	4/26	5	1.5	7.4	6.7b
Duck Creek R.S.	8700	4/26	0	0.0	2.1	4.6
Fish Lake	8700	4/26	0	0.0	6.1	2.0b
Harris Flat R.S.	7700	4/26	0	0.0	1.0	0.7
Kimberly Mine	9300	4/27	32	11.8	21.7	12.8b
Midway Valley	9800	4/27	39	14.6	17.0	19.7b
Panguitch Lake	8200	4/26	0	0.0	1.4	0.1
Squaw Springs	9300	4/26	0	0.0	8.2	2.6b
Widtsoe-Escalante	9500	4/28	0	0.0	1.1	2.6
Widtsoe-Escalante #2	9500	4/28	8	2.6	6.3	5.3
Widtsoe-Escalante #3	9500	4/28	12	4.6	10.1	7.4b
Long Valley Jct	7500	4/26	0	0.0	0.5	0.1b
<u>LOWER SEVIER RIVER</u>						
<u>(including San Pitch)</u>						
Beaver Dams	8000	4/27	9	2.5	9.4	5.8
Farnsworth Lake	9900	4/29	64	23.6	27.8	18.8
G.B.R.C. Headquarters	8700	4/30	36	13.1	19.1	13.5
G.B.R.C. Meadows	10000	4/30	70	27.7	31.8	26.3
Gooseberry R.S.	8400	4/29	24	9.4	15.4	6.9
Gooseberry Reservoir x	8700	4/28	36	14.1	20.9	16.1b
Mammoth R.S. - Ctnwd. Crk	8800	4/28	38	15.6	22.2	16.1b
Mt. Baldy R.S.	9500	4/27	75	25.8	28.7	22.9
Oak Creek	7760	4/28	14	5.4	11.2	- -
Pickle Keg Springs	9600	4/29	31	11.0	20.3	- -
Pine Creek	8700	4/29	24	9.0	18.8	11.0b
Shingle Mill	6200	4/29	0	0.0	6.5	0.8b
Big Flat	10290	4/27	53	17.1	21.6	17.8
Merchant Valley	8200	4/27	5	1.5	7.2	2.8
Otter Lake	9300	4/27	33	11.1	16.8	12.2
FOOTNOTES - See last page						

FOOTNOTES - See last page

PRECIPITATION (Inches)

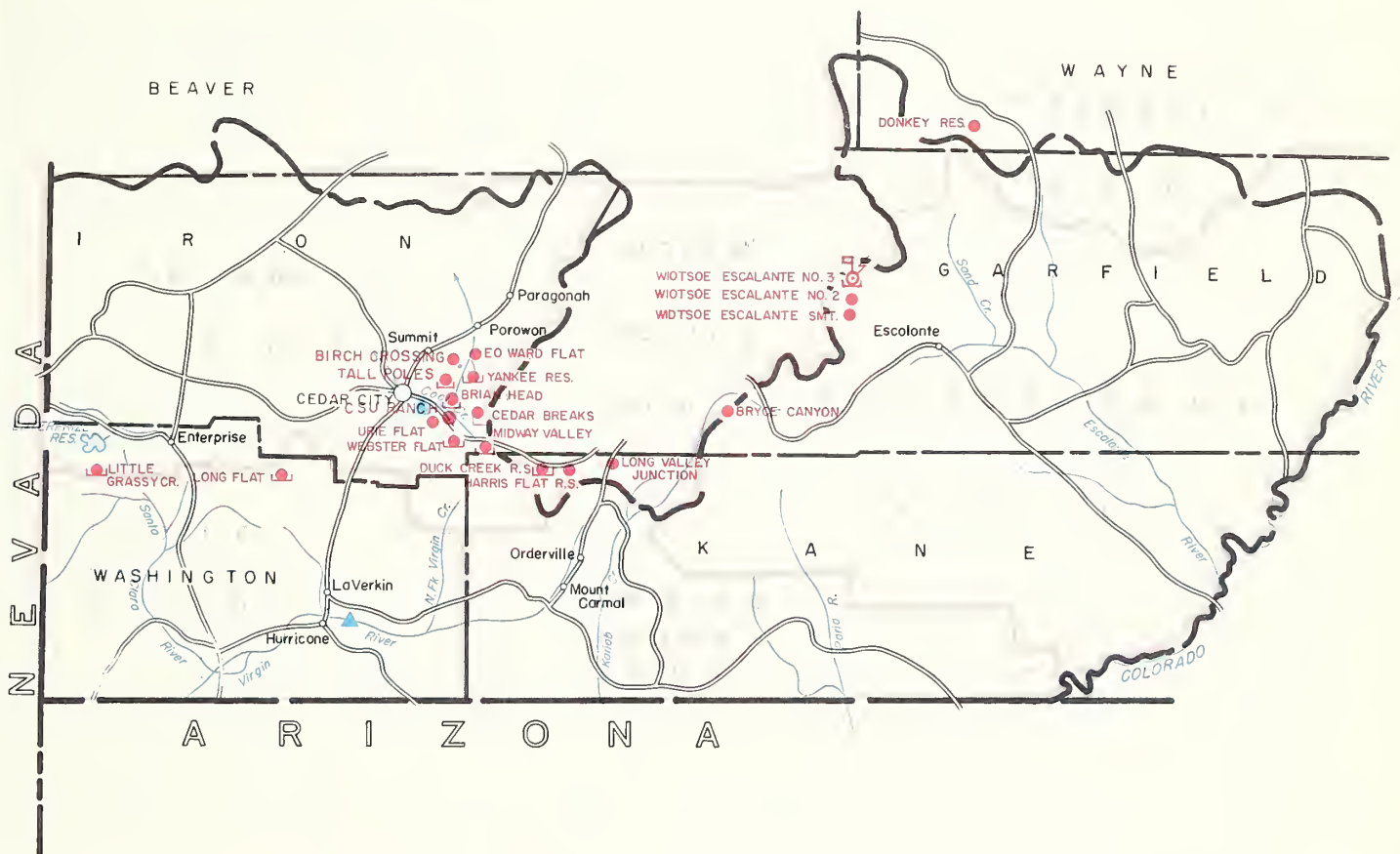
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
Beaver Dams	8000	4/27	2.17	2.72b	16.00	17.04*	94
Big Flat x	10290	4/27	2.28	3.30*	17.75	18.82*	94
Box Creek	9800	4/26	1.49	2.86b	14.79	16.06b	92
Castle Valley	9700	4/26	1.46	3.60b	15.33	18.09b	85
Duck Creek R.S.	8700	4/26	1.51	3.10	14.79	19.75*	75
Farnsworth Lake	9900	4/29	3.43	4.21*	27.66	22.36b	124
Fish Lake	8700	4/26	1.62	1.93b	11.09	10.04b	110
G.B.R.C. Headquarters	8700	4/30	3.55	3.78	23.45	21.35	110
G.B.R.C. Meadows	10000	4/30	3.95	4.06	30.72	25.09	122
G.B.R.C. Oaks	7655	4/30	2.25	2.58	13.85	14.63	95
Gooseberry R.S.	7800	4/29	2.10	2.50*	20.44	15.09*	135
Gooseberry Reservoir x	8700	4/28	2.76	3.36*	21.82	20.63*	106
Kimberly Mine	9300	4/27	2.17	4.21*	22.24	21.33*	104
Mammoth R.S. #2 x	8600	4/28	3.55	3.52b	23.79	21.75*	109
Mt. Baldy	9500	4/27	2.00	3.49b	22.70	19.34*	117
Panguitch Lake	8200	4/26	0.62	1.32b	7.90	8.12b	97
Pickle Keg Springs	9600	4/28	3.40	- -	- -	- -	- -
Pine Creek	8700	4/29	3.63	4.8b	32.80	26.54b	124
Shingle Mill	6200	4/29	2.72	2.79b	19.65	16.54*	119
Webster Flat x	9200	4/27	2.65	4.05	19.10	22.00*	87
Widtsoe-Escalante #3	9500	4/28	1.07	2.75*	11.20	15.19b	74
Widtsoe R.S.	7600	4/28	0.15	0.82	5.97	5.37	111
Oak Creek	7760	4/28	2.76	- -	15.71	- -	- -
Beaver Canyon P.H.	7275	4/30	2.27	2.10	9.79	- -	- -
Big Flat	10290	4/27	2.28	3.30*	17.75	18.82*	94
Merchant's Valley	8650	4/27	2.12	- -	16.00	- -	- -

FOOTNOTES - See last page

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES

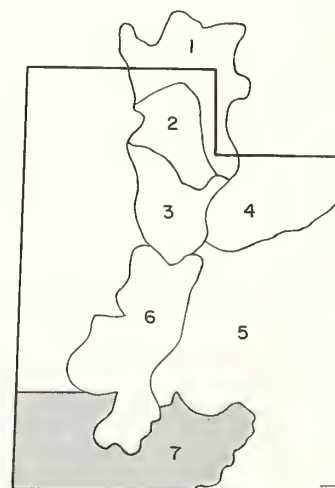


10 0 10 20 30 40
SCALE IN MILES



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
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- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- Radio Telemetry
- Radio Base Station
- Radio Relay Station



WATERSHED LOCATION

INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PARIA RIVER						
12M8	U	Bryce Canyon x	36	36S	4W	8,000
PAROWAN CREEK						
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M12	U	Ed Ward Flat	17	35S	8W	8,300
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
COAL CREEK						
12M1P	U	Cedar Breaks x	2	37S	9W	10,390
12M17	U	CSU Ranch	18	37S	9W	8,200
12M2M	U	Midway Valley x	26	37S	9W	9,800
12M10	U	Urie Flat	11	37S	10W	8,450
12M3MP	U	Webster Flat x	20	37S	9W	9,200
ENTERPRISE TO NEW HARMONY DRAINAGES						
13M4MP	U	Little Grassy Creek	15	38S	17W	6,100
13M2MP	U	Long Flat	2	38S	14W	8,000
ESCALANTE RIVER						
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2 PT	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
VIRGIN RIVER						
12M1P	U	Cedar Breaks x	2	37S	9W	10,390
12M4P	U	Duck Creek R.S. x	11	38S	8W	8,700
12M5	U	Harris Flat x	24	38S	7W	7,700
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M2M	U	Midway Valley x	26	37S	9W	9,800
12M3MPT	U	Webster Flat	20	37S	9W	9,200

LEGEND

Numbering system (example)

10J7	Snow Course Only
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10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

EAST GARFIELD, KANE, WASHINGTON & IRON

SNOW

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>ESCALANTE RIVER</u>						
Widtsoe-Escalante Smt.	9500	4/28	0	0.0	1.1	2.6
Widtsoe-Escalante #2	9500	4/28	8	2.6	6.3	5.3
Widtsoe-Escalante #3	9500	4/28	12	4.6	10.1	7.4b
<u>VIRGIN RIVER & COAL CREEK</u>						
CSU Ranch	8200	4/28	0	0.0	1.8	- -
Duck Creek R.S.	8700	4/26	0	0.0	2.1	4.6
Harris Flat x	7000	4/26	0	0.0	1.0	0.7
Midway Valley x	9800	4/27	39	14.6	17.0	19.7b
Urie Flat	8450	4/28	0	0.0	1.9	1.3b
Webster Flat	9200	4/27	10	3.8	13.1	8.9
<u>PAROWAN CREEK</u>						
Birch Crossing	8100	4/27	0	0.0	1.5	- -
Brian Head	10000	4/27	47	17.1	20.8	- -
Ed Ward Flat	8300	4/27	0	0.0	4.9	1.7b
Tall Poles	8800	4/27	27	10.2	13.6	- -
Yankee Reservoir	8700	4/27	7	2.2	8.6	5.6b
<u>ENTERPRISE TO NEW HARMONY DRAINAGES</u>						
Little Grassy Creek	6100	4/28	0	0.0	0.0	0.0b
Long Flat	8000	4/28	0	0.0	0.6	0.4b
FOOTNOTES - See last page						

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>ESCALANTE RIVER</u>							
Widtsoe-Escalante #3	9500	4/28	1.07	2.75*	10.13	15.19b	67
<u>VIRGIN RIVER</u>							
Duck Creek R.S.	8700	4/26	1.51	3.10	14.79	19.75*	75
Webster Flat	9200	4/27	2.65	4.05	19.10	22.00*	87
<u>COAL CREEK</u>							
Webster Flat	9200	4/27	2.65	4.05	19.10	22.00*	87
<u>PAROWAN CREEK</u>							
Tall Poles	8800	4/27	2.00	- -	15.38	- -	--
Yankee Reservoir	8700	4/27	1.55	2.66b	13.48	13.99b	96
<u>ENTERPRISE TO NEW HARMONY DRAINAGE</u>							
Little Grassy Creek	6100	4/28	1.18	2.06b	10.87	13.74*	79
Long Flat	8000	4/28	2.22	2.29b	12.12	13.85b	88
FOOTNOTES - See last page							

FOOTNOTES

1. Data supplied by U. S. Forest Service
2. Data supplied by U. S. Weather Bureau
3. Data supplied by U. S. Geological Survey, Bureau of Reclamation and River Commissioners
4. Data obtained by radio - USU-SCS Cooperative Sites

- + 1953-67 - 15-year average period
- b Average of all past record - less than 15 years
- c Taken at Compromise point

- A Aerial observation - water content estimated
- x Adjacent drainage
- * Partly estimated

The following footnotes apply only to Streamflow Forecast pages.

- (1) Includes UP&L Co. tailrace and Logan, Hyde Park & Smithfield Canal.
 - (2) Observed flow plus change in storage in East Canyon Reservoir.
 - (3) Inflow record as computed by U. S. Bureau of Reclamation.
 - (4) Observed flow Weber River near Wanship, Utah, plus change in storage in Rockport Reservoir, plus diversion by Weber-Provo Canal.
 - (5) Includes diversion by Weber-Provo Canal and change in storage in Rockport Reservoir.
 - (6) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal.
 - (7) Observed flow plus change in storage in Deer Creek Reservoir, minus diversions thru Duchesne tunnel and Weber-Provo Canal.
 - (8) Change in storage plus diversion thru Strawberry tunnel.
 - (9) Observed flow plus change in storage in Otter Creek Reservoir.
 - (10) Gage is below diversions near Salina
 - (11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs.
 - (12) Observed flow at Rockyford Dam, corrected for change in storage in Minersville Reservoir.
 - (13) Observed flow plus diversion through Duchesne Tunnel.
 - (14) Observed flow plus change in storage in Moon Lake Reservoir.
 - (15) Observed flow plus change in storage reservoir.
 - (16) Corrections made for Strawberry, Moon Lake, Starvation Reservoir, Strawberry and Duchesne Tunnels.
- (a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U. S. Geological Survey.



Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
Weather Bureau
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

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supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*